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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/233,145	01/19/1999	SHUNPEI YAMAZAKI	0756-1915	7892	
7	7590 07/29/2003				
SIXBEY, FRIEDMAN, LEEDOM & FREGUSON 2010 CORPORATE RIDGE SUITE 600			EXAMINER		
			DUONG, TAI V		
MCLEAN, VA 22102			ART UNIT	PAPER NUMBER	
			2871		
			DATE MAILED: 07/29/2003	DATE MAILED: 07/29/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application N .	Applicant(s)			
	09/233,145	YAMAZAKI ET AL.			
Office Action Summary	Examin r	Art Unit			
. •	TAI DUONG	2871			
The MAILING DATE of this commun.	ication appears on the cover sheet	with the correspondence address			
Péri df r Reply					
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNI - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this commous to the period for reply specified above is less than thirty (3). - If NO period for reply is specified above, the maximum states. - Failure to reply within the set or extended period for reply. - Any reply received by the Office later than three months a earned patent term adjustment. See 37 CFR 1.704(b). Status	CATION. of 37 CFR 1.136(a). In no event, however, may sunication. b) days, a reply within the statutory minimum of that atutory period will apply and will expire SIX (6) Mowill. by statute, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
1) Responsive to communication(s) fil	ed on <u>08 May 2003</u> .				
2a)⊠ This action is FINAL.	2b) This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
4)⊠ Claim(s) <u>See Continuation Sheet</u> is	are pending in the application.	·			
4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>See Continuation Sheet</u> is/are allowed.					
6)⊠ Claim(s) <u>See Continuation Sheet</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9)⊠ The specification is objected to by the					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11) ☐ The proposed drawing correction filed		disapproved by the Examiner.			
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to	by the Examiner.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim	for foreign priority under 35 U.S.C	C. § 119(a)-(d) or (t).			
a)⊠ All b)□ Some * c)□ None of:					
_ , , ,	documents have been received.				
2. Certified copies of the priority					
3. Copies of the certified copies application from the Intern* See the attached detailed Office action	ational Bureau (PCT Rule 17.2(a))).			
14) Acknowledgment is made of a claim f	or domestic priority under 35 U.S.C	C. § 119(e) (to a provisional application).			
a) ☐ The translation of the foreign lar					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (P3) Information Disclosure Statement(s) (PTO-1449) P	TO-948) 5) Notice	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)			
J.S. Patent and Trademark Office PTO-326 (Rev. 04-01)	Office Action Summary	Part of Paper No. 31			

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Continuati n Sheet (PTO-326)

Continuation of Disposition of Claims: Claims pending in the application are 1-6,13-31,33-36,38-41,43-46,48-51,53-56,58-61,63-66,68-71,73-76,78-81,83-86,88-91,93-96,98-101,103-106,108-111,113-116,118-121,123-126 and 128-130.

Continuation of Disposition of Claims: Claims allowed are 1-6,13-24,31,33,34,36,38,39,41,43,44,46,48,49,51,53,54,56,58,61,63,66,68,71,73,76,78,81,83,86,88,91,93,96,98,101,103,106,108,111,113,116,118,121,123,126 and 128.

Continuation of Disposition of Claims: Claims rejected are 25-30,35,40,45,50,55,59,60,64,65,69,70,74,75,79,80,84,85,89,90,94,95,99,100,104,105,109,110,114,115,119,120,124,125,129 and 130.

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The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the recited feature "each of said first and second contact hole is *tapered*" of claims 25, 60 and 65, the recited feature "wherein said second opening is *tapered*" of claim 59, and the recited feature "wherein said first opening is *tapered*" of claim 64 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The specification is objected to because the Brief Summary of the Invention (page 3) is not commensurate with the claimed invention. Appropriate correction is required.

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the specification does not disclose the limitations "a surface of said pixel electrode is rounded along the rounded edge of said leveling film" of claims 1, 13, 19, 25, 56, 58-61 and 63-65, "each of said first and second contact hole is *tapered*" of claims 25, 60 and 65, "wherein said second opening is *tapered*" of claim 59, and "wherein said first opening is *tapered*" of claim 64.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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Claims 25-30, 35, 40, 45, 50, 55, 59, 60, 64, 65 69, 70, 74, 75, 79, 80, 84, 85, 89, 90, 94, 95, 99, 100, 104, 105, 109, 110, 114, 115, 119, 120, 124, 125, 129 and 130 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

There does not appear to be a written description in the specification of the claim limitations "each of said first and second contact hole is *tapered*", "wherein said second opening is *tapered*" and "wherein said first opening is *tapered*" in the application as filed. It is noted that Fig. 7(F) shows the edge of the opening (contact hole) is rounded, not *tapered*.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 25-30, 35, 40, 45, 50, 55, 59, 60, 64, 65 69, 70, 74, 75, 79, 80, 84, 85, 89, 90, 94, 95, 99, 100, 104, 105, 109, 110, 114, 115, 119, 120, 124, 125, 129 and 130 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Without antecedent basis in the specification and without the drawing showing the limitation, it is unclear what the intended meaning of the term "tapered" in the limitations "each of said first and second contact hole is tapered", "wherein said second

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opening is *tapered*" and "wherein said first opening is *tapered* of claims 25, 59, 60, 64 and 65 is. The remaining claims are also rejected since they depend on the indefinite claims.

Amended claims 1, 13, 19, 56, 58, 61 and 63 are allowable over the prior art of record because they additionally recite the limitation "a surface of said pixel electrode is rounded along the rounded edge of said leveling film". See Applicant's remarks on page 11 of the amendment, last paragraph. The term "rounded" is interpreted by the examiner as "curved or circular" as shown in Figs. 7(F) and 9(F). The remaining claims are also allowable because they depend on the allowed claims.

Claims 25-30, 35, 40, 45, 50, 55, 59, 60, 64, 65 69, 70, 74, 75, 79, 80, 84, 85, 89, 90, 94, 95, 99, 100, 104, 105, 109, 110, 114, 115, 119, 120, 124, 125, 129 and 130 would be allowable if rewritten or amended to overcome the rejections under 35 U.S.C. 112 set forth in this Office action.

Claims 25-30, 35, 40, 45, 50, 55, 59, 60, 64, 65 69, 70, 74, 75, 79, 80, 84, 85, 89, 90, 94, 95, 99, 100, 104, 105, 109, 110, 114, 115, 119, 120, 124, 125, 129 and 130 would be allowable for the same reasons as those of claims 1, 13, 19, 56, 58, 61 and 63.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Tai Duong at

telephone number 703 308-4873.

TOANTON
PRIMARY EXAMINER

TVD

07/28/03